

Attorney Docket No.: KUZ-0024
Inventors: ITO et al.
Serial No.: 10/531,433
Filing Date: April 15, 2005
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This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (canceled)

Claim 2 (currently amended): The patch according to ~~claim 1~~ claim 21, wherein the polyisobutylene is a mixture of a high molecular weight polyisobutylene of average molecular weight in a range from 800,000 to 1,600,000 and a low molecular weight polyisobutylene of average molecular weight in a range from 30,000 to 80,000.

Claim 3 (original): The patch according to claim 2, wherein a mass ratio between the high molecular weight polyisobutylene and the low molecular weight polyisobutylene is 1:9 to 2:3.

Claim 4-5 (canceled)

Claim 6 (currently amended): The patch according to ~~claim 5~~ claim 22, wherein the percutaneous absorption enhancer is one or more selected from a group consisting of isopropyl myristate, isopropyl palmitate, sorbitan monooleate and oleyl alcohol.

Claim 7 (currently amended): The patch according to ~~claim 1~~ claim 21, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claims 8-12 (canceled)

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Claim 13 (previously presented): The patch according to claim 2, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 14 (previously presented): The patch according to claim 3, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 15 (canceled)

Claim 16 (currently amended): The patch according to ~~claim 5~~ claim 22, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claim 17 (previously presented): The patch according to claim 6, wherein the patch has an area of 5 to 80 cm² at a time of application.

Claims 18-20 (canceled)

Claim 21 (new): A transdermal patch for external use having a backing layer and a pressure-sensitive adhesive layer formed on one surface of the backing layer, consisting essentially of polyisobutylene, a mineral oil and fentanyl as an active ingredient in the pressure-sensitive adhesive layer, contents of polyisobutylene and fentanyl in the pressure-sensitive adhesive layer respectively ranging from 75.2 to 94.2% by mass and 1 to 6% by mass while the content of the mineral oil being from 0.25 to 0.05 parts by mass based on polyisobutylene.

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Claim 22 (new): A transdermal patch for external use having a backing layer and a pressure-sensitive adhesive layer formed on one surface of the backing layer, consisting essentially of polyisobutylene, a mineral oil, a percutaneous absorption enhancer and fentanyl as an active ingredient in the pressure-sensitive adhesive layer, contents of polyisobutylene and fentanyl in the pressure-sensitive adhesive layer respectively ranging from 75.2 to 94.2% by mass and 1 to 6% by mass while the content of the mineral oil being from 0.25 to 0.05 parts by mass based on polyisobutylene.

Claim 23 (new): The patch according to claim 22, wherein the polyisobutylene is a mixture of a high molecular weight polyisobutylene of average molecular weight in a range from 800,000 to 1,600,000 and a low molecular weight polyisobutylene of average molecular weight in a range from 30,000 to 80,000.

Claim 24 (new): The patch according to claim 23, wherein a mass ratio between the high molecular weight polyisobutylene and the low molecular weight polyisobutylene is 1:9 to 2:3.